

LIQUID
PAINTS

FIRE
PROOF
PAINTS

COLORS
IN
OIL

ROOFING

BOILER
COVERING

STEAM
PACKINGS

DESCRIPTIVE PRICE-LIST

MAY 20, 1886.

H.W. JOHNS'

SBESTOS

MATERIALS



ESTABLISHED 1858.

NEW YORK,
CHICAGO,
PHILADELPHIA,
LONDON.

H.W. JOHNS MANUFACTURING Co.,

87 MAIDEN LANE, NEW YORK.

H. W. JOHNS' LIQUID PAINTS.

ASBESTOS

These are in every respect *strictly first-class* Paints, composed of pure linseed oil and the highest grade of pigments. They are combined by processes exclusively our own, and are unequalled by any in richness and permanency of color. As these Paints contain no deleterious or useless adulteration, the great difference in their *covering properties* in comparison with ordinary paint is at once recognized, and the universal testimony is that from fifteen to twenty-five per cent. of the usual cost of painting can be saved by their use.

They are prepared ready for the brush, in fifty-two newest shades and standard colors, and we offer them as THE MOST DURABLE AND ECONOMICAL PAINTS EVER PRODUCED FOR GENERAL STRUCTURAL PURPOSES. *One gallon will cover from 250 to 275 square feet, TWO COATS.*

For a full description of these Paints see our Pamphlet "Structural Decoration," with samples of 54 Shades, which will be sent free by mail.

Price, per U. S. Standard Gallon Measure.

BBLs & KEGS, per gal.		PAILS, per gal.		1 Gal. Cans	$\frac{1}{2}$ gal.	Quarts,	Pints,
40 & 30 gals.	20, 15 & 10 gals.	5, 3 & 2 gals.	or Pails, each.	or Cans, each.	Cans, each.	each.	each.
1.85	1.90	1.95	2.00	1.10	.60	.35	
INSIDE AND OUTSIDE WHITE.							
2.00	2.05	2.10	2.15	1.20	.65	.35	
No. 62, DK. GREEN,	3.20	3.25	3.30	1.75	.95	.50	
STANDARD " ,	3.70	3.75	3.80	2.00	1.05	.55	

H. W. JOHNS' ROOF, CAR & BRIDGE PAINTS.

ASBESTOS

THESE PAINTS are prepared ready for use, and possess a more elastic body than any other; they are, therefore, less liable to injury, and have proven to be the best and most economical Paints ever produced for similar purposes. They were originally designed for preserving TIN AND OTHER ROOFS, but are now also used for Railroad Buildings, Bridges, Freight Cars, Steamboat Decks, Boats, and all wood and iron work exposed to salt or fresh water. They are also especially adapted for Out-buildings, Fences, Gas Holders, and other iron and rough wood-work. One gallon will cover from 350 to 400 square feet, one coat.

Per Gal. U. S.	BARRELS AND KEGS.		PAILS.	
Standard Measure.....	45, 40 & 30 gals.	20, 15 & 10 gals.	5, 3 & 2 gals.	1 gal.
BROWN ROOF PAINT,	1.00	1.05	1.10	1.15
GAS-HOLDER PAINT,	1.10	1.15	1.20	1.25
RED, GRAY, BUFF, SLATE,	1.40	1.45	1.50	1.55
CREAM-WHITE & YELLOW,				
YELLOW FLOOR PAINT,				

Yellow Floor Paint, in Half gallon Cans, 90 cts. each; Quart Cans, 50 cts. each Pint Cans, 30 cts. each.

H. W. JOHNS' MARINE PAINTS.

This improved composition is the result of more than twenty years' experiment and the severest tests, and is offered as the most durable ship paint ever produced. It combines in *one material* all the desirable qualities claimed by other compositions which require *two or three kinds* of Coatings, *i. e.*, it is a perfect water repellent, anti-corrosive and anti-fouling, and is equally well adapted for iron or wood work exposed to salt water, in all climates. It is prepared ready for use.

Where it is important that a ship should be painted in one day, we supply this Paint *Extra Thin* and *Extra Heavy*, for two coats, to dry in one tide.

In Bbls. and Kegs; per gallon....\$3.50 In Pails; per gall....\$3.75

NET CASH PRICES, MAY 10TH, 1886.

H. W. JOHNS'

FINE COACH COLORS.

These Colors are Ground in best Coach Japan, are warranted uniform in quality and color, and will dry flat and evenly at once.

		Price per lb. In 1 lb. PATENT Cans, & in 5 lb Press Cans.	In TUBES, (1x3½ in.) each.
Blacks.	Best Ivory Black.....	.45	.20
	Drop Black.....	.40	.20
	Coach Black.....	.35	.18
	Coach Painters' Lamp Black.....	.30	.18
Blues.	Cobalt Blue.....	1.45	.45
	Chinese Blue.....	1.00	.30
	Prussian Blue.....	.95	.30
	Ultramarine Blue.....	.80	.30
Greens.	Nile Green.....	1.45	.45
	Milori Green (L. M. & D.).....	.90	.45
	Transparent Green (L. & D.).....	.65	.30
	Extra Deep Green.....	.60	.30
	Quaker Green (L. M. & D.).....	.50	.30
	Coach Painters' Green (L. M. & D.).....	.50	.30
Reds.	English Vermilion (L. & D.).....	1.15	.45
	Aniline Vermilion.....	.60	.30
	American Vermilion (L. & D.).....	.40	.20
	Rose Pink.....	.50	.25
	Dutch Pink.....	.50	.25
	Tuscan Red.....	.40	.20
	Indian Red.....	.35	.18
	Royal Red.....	.30	.18
Browns.	Amber Brown (L & D.).....	.50	.25
	Vandyke Brown.....	.40	.20
	Raw and Burnt Italian Sienna.....	.35	.18
	Raw and Burnt Turkey Umber.....	.35	.18

H. W. JOHNS' FINE COACH COLORS, Continued.

		Price Per lb., in 1 lb. PATENT Cans, & in 5 lb. PRESS CANS.	In TUBES, (1x3½ in.) each.
Yellows.	Perfect Yellow.....	2.50	.75
	Naples Yellow (L. & D.).....	.95	.45
	French Chrome Yellow.....	.65	.30
	Chrome Yellow (L. M. O. & D. O.).....	.50	.25
	Yellow Ochre .....	.35	.20
Whites.	Golden Ochre .....	.35	.20
	Flake White.....	.50	.30
	Silver White.....	.35	.20
Lakes.	No. 40 Carmine, (L. & D.).....	6 75	1.30
	English Crimson Lake, A.....	6.00	1.15
	“ “ “ B.....	5.00	1.00
	English Purple “ A.....	5.75	1.15
	“ “ “ B.....	4.75	1.00
	English Scarlet “ A.....	4.00	1.15
	“ “ “ B.....	3.75	1.00
	American Crimson “ A.....	1.85	.55
	“ “ “ B.....	1.35	.40
	Munich Lake, A.....	4 35	.75
	“ “ B.....	3.35	.70
	Carmine “ A.....	3.35	.70
	“ “ B.....	2.35	.55
	Yellow “ A.....	2.35	.60
	“ “ B.....	2.00	.55
	Red “ A.....	2.00	.45
	“ “ B.....	1.25	.40
	Green “	1.45	.40
	English Rose Lake, A.....	1.15	.30
	“ “ “ B.....	.95	.30
	Chatemuc “	1.00	.30
	Carriage Part “ (L. & D.) .....	.65	.30
	Wine Color, Best, L. L., L. & D.....	.65	.30
	“ “ , Ordinary, L. & D.....	.40	.25

H. W. JOHNS MANUFACTURING CO.,

SOLE MANUFACTURERS,

87 MAIDEN LANE, NEW YORK.

175 RANDOLPH STREET, CHICAGO.

170 & 172 NORTH 4th STREET, PHILADELPHIA.

BILLITER HOUSE, BILLITER STREET, LONDON.

921-4-6 86.

[OVER.]

H. W. JOHNS'

STRICTLY PURE COLORS.

GROUND IN REFINED LINSEED OIL.

These Colors are *strictly pure*, and, without exception, of the *first quality*. They are ground in refined Calcutta Linseed Oil to a fineness not excelled by that of the best foreign or domestic "Artist's Colors," to which they are fully equal in depth and brilliancy of color.

They are intended for fine decorative work; and, although they cost more per lb. than ordinary Colors in Oil, we claim that the difference of cost *in their use* is but trifling, if any, and the effects obtained by the use of pure, rich colors are at least one hundred per cent. more beautiful and enduring. These Colors are the same as used in our "Asbestos" Liquid Paints (which are now the acknowledged Standard Paints for Structural Purposes in all parts of the world), and are *intrinsically* worth *double* our prices as compared with the various grades of "colors in oil" in general use.

Should these Colors fall short of our representations in any respect, the purchaser is at liberty to return broken as well as whole packages at our expense, and we will refund the full price paid.

None but strictly pure, well-settled linseed oil from reputable makers should be used with these Colors.

	PER LB. IN 1 LB. CANS.	IN ½ LB. CANS. EACH.	IN 4 OZ. TUBES. EACH.	ARTIST'S TUBES, 4x½ in. EACH.
Umbre, Best Selected Turkey, Raw & Burnt ....	.25	.14	18	.12
Sienna, " Italian, " " ....	.27	.15	20	.15
Brown, Vandyke .....	.27	.15	20	.15
Yellows, { Chrome L., M., O. & D. O... ..	.60	.32	28	.15
{ Roman Ochre.....	.35	.19	22	.15
{ Golden Ochre .....	.42	.23	24	.15
{ Yellow Ochre.....	.35	.19	22	.15
Blacks, { Ivory Black.....	.55	.29	28	.15
{ Drop Black .....	.40	.22	20	.15
{ Refined Lamp-Black (2 oz. tubes 15c. each)	.35	.19		.12
Blues, { Ultramarine.....	1.00	.52	40	.25
{ Chinese..... (2 oz. tubes 25c. each)	.80	.42		.15
Greens, { French Verdigris.....	.80	.42	35	.15
{ Chrome, L., M. & D. ....	.80	.42	.35	.20
{ Paris .....	.55	.29	.24	.15
{ Olive Green, L. M. D. ....	.75	.39	.35	.15
Carmine, (2 oz. tubes 70c. each)	4.00	2 00		.40
Vermilions, { *English Quicksilver, L. & D.....	1.50	.77	50	.30
{ American " L. & D.	1 00	.52	.40	.25
{ Aniline .....	.85	.44	.35	.25
Reds, { Rose Pink.....	.45	.24	22	.15
{ Tuscan .....	.40	.22	20	.15
{ Indian.....	.35	.20	.20	.12
{ Oxide of Iron.....	.35	.20	.20	.12
White, { Flake.....	.35	.20	.20	.15

GRAINING COLORS.

Black Walnut, Lt. and Dk. Oak,.....per lb. 30c.; in ½-lb. cans, each 16c.

DISTEMPER COLORS.

Black, Vandyke Brown, Umbers & Siennas, in 1 lb. bottles, each 20c.

H. W. JOHNS' 'FINE COLORS

GROUND IN PURE LINSEED OIL

These are prepared from our Strictly Pure Colors, are ground in pure linseed oil, and "extended," or lightened, with the best known bases to the most desirable shades for general decorative purposes; and they are superior in quality and fineness to any others made for similar uses.

None but strictly pure linseed oil should be used with these Colors

Per lb. 1 & 2 lb. Cans.

UMBER, Best Turkey, Raw and Burnt		.18		
SIENNA, Best Italian, Raw and Burnt		.20		
BROWN, Vandyke		.20	5 & 10	
YELLOWS,	Chrome, L, M, O. & D. O.	.26	lb. Cans,	
	Roman Ochre	.26	1 ct less	
	Golden Ochre	.24	per lb.	
	Yellow Ochre	.14	than in	
	Stone Ochre	.14	1 lb cans.	
	French Ochre	.12		
BLACKS,	Sign Writers	.30		
	Drop	(in Japan, 40c.)	.25	—
	Ivory	(" " 45c.)	.25	
	Coach	(" " 35c.)	.25	
	Lettering		.25	25 lb.
	Refined Lamp-Black		.20	Cans.
BLUES,	Chinese (½-lb. cans 28 cts. each; ¼-lb. cans 15 cts. each.)		.50	2 cts. less
	Azure		.48	per lb
	Prussian (½-lb cans 24c each; ¼-lb cans 15c. each.)		.45	than in
	Ultramarine (" " 15c. " " " 10c. ")		.28	1 lb cans
GREENS,	French Verdigris	.42		
	Permanent	.42		
	Paris	.28	—	
	Chrome, L, M, & D.	.20		
VERMILIONS,	Window Blind, L, M. & D.	.20	Venetian	
	{ English, L. & D.	1.20	Red,	
WHITES,	{ American, L. & D.	.26	Ochres,	
	Flake White	.32	&c., in	
	White Lead	.18	kegs of	
	Snow White Zinc	.15	100 lbs.,	
REDS,	Rose Pink	.35	3 cts. per	
	Tuscan	.32	lb. less	
	Indian	.22	than in	
	Venetian	.15	1 lb. cans	
	Flat Brick Red	.20		
Graining Colors, Black Walnut, L. & D. Oak, Chestnut and Ash		.18		
Stains, Walnut, Mahogany and Cherr		.30		
Distemper Colors, Black, Vandyke Brown, Umbers & Siennas, in 1 lb bottles, each		20		
Asbestos Wood Filler, Dark, Light and Mahogany, per lb.		.20		

STRICTLY PURE RAW LINSEED OIL.

Adulterated and inferior grades of Oil are now sold to such an extent that, to insure the use of good oil in thinning our Paints and Colors, we will supply our customers only, with strictly pure raw Linseed Oil (as used in our Paints,) at New York Market prices, in Barrels, making the following additional charges for packages for smaller lots.

	Two 5 gal. Cans in Case	5 gallon Boxed Can.	3 gallon Boxed Can.	2 gallon Boxed Can.	1 gallon Boxed Can.
Nozzle Cans ,.....	\$1 05	65c.	60c.	55c.	45c.

H. W. JOHNS' LIQUID DRYER.

This article is warranted superior to any Dryer in the market in siccative qualities, lightness of color and uniformity. It possesses double the strength of any other Liquid Dryer, is suitable for all linseed-oil Paints, and will not discolor the most delicate tints. No other Dryer should be used in our Paints.

In Bbls. and Nozzle Cans, boxed for shipment,	BBLs. per gal.	10 & 5 Gals. per gal.	1 gal. per gal.	½ gal. each.	Quarts each.	Pints each.	½ Pts each.
U. S. Standard Measure.	\$1.40	1.60	1.80	1.00	.55	.30	.20

OUTSIDE FINISHING VARNISH.

This Varnish is made of the best materials, and is intended for the best outside work where a good surface has been prepared for it, and where the most durable finish is desired; such as outside doors, window frames, signs, &c. It is also a superior Finishing Varnish for coach bodies.

In Bbls. and Nozzle Cans, boxed for shipment.	Bbls. per gal.	10 & 5 Gal. per gal.	1 Gal. per gal.	½ Gal. each.	Quarts, each.	Pints, each.
U. S. Standard Measure.	\$4.00	4.20	4.40	2.30	1.20	.65

INSIDE FINISHING VARNISH.

This Varnish is prepared expressly for inside work of houses finished in hard woods, and the best cabinet work. The wood should be first filled with our Wood-filler. The first and second coats of varnish should be rubbed down with hair, or, on fine work, with pumice stone; the last coat may be left bright or rubbed down to a dead finish as desired.

In Bbls. and Nozzle Cans, boxed for shipment.	Bbls. per gal.	10 & 5 Gal. per gal.	1 Gal. per gal.	½ Gal. each.	Quarts, each.	Pints, each.	½ Pts. each.
U. S. Standard Measure.	\$3 00	3.20	3.40	1.80	.95	.55	.30

EXTRA COACH VARNISH.

Is used for the same purposes as our Outside Finishing Varnish, but dries harder. It is adapted for all ordinary outside work, and will be found unsurpassed for Wagons and Gears. It is also used for inside work, over grained woods, &c., with the best results when two or three days can be given it to harden.

In Bbls. and Nozzle Cans, boxed for shipment.	Bbls. per gal.	10 & 5 Gal. per gal.	1 Gal. per gal.	½ Gal. each.	Quarts, each.	Pints, each.
U. S. Standard Measure.	\$2.75	2.95	3.15	1.70	.90	.50

PAINT COACH VARNISH.

Is in every respect fully equal to our "Extra Coach" Varnish, but not so pale in color.

In Bbls. and Nozzle Cans, boxed for shipment.	Bbls. per gal.	10 & 5 Gal. per gal.	1 Gal. per gal.	½ Gal. each.	Quarts, each.	Pints, each.
U. S. Standard Measure.	\$2.00	2.20	2.40	1.30	.70	.40

EXTRA FURNITURE VARNISH.

This is a superior light-colored varnish suitable for ordinary cabinet work, and is especially adapted for painted furniture, light woods, etc.

In Bbls. and Nozzle Cans, boxed for shipment.	Bbls. per gal.	10 & 5 Gal. per gal.	1 Gal. per gal.	½ Gal. each.	Qts. each.	Pints, each.	½ Pts. each.
U. S. Standard Measure.	\$1.80	2.00	2.20	1.20	.70	.40	.25

PAINT FURNITURE VARNISH.

This Varnish is offered at the lowest price at which a *really serviceable* varnish can be produced, and is suitable for ordinary furniture.

In Bbls. and Nozzle Cans, boxed for shipment.	Bbls. per gal.	10 & 5 Gal. per gal.	1 Gal. per gal.	½ Gal. each.	Quarts, each.	Pints, each.
U. S. Standard Measure.	\$1.40	1.60	1.80	1.00	.55	.30

MISCELLANEOUS

In Bbls. and Nozzle Cans, boxed for shipment. U. S. Standard Measure.	Bbls. per gal.	10 & 5 Gal. per gal.	1 Gal. per gal.	½ Gal. each.	Quarts, each.	Pints, each.
BROWN JAPAN.....	\$1.40	\$1.60	\$1.80	\$1.00	.55	.30
TURPENTINE JAPAN.....	1.00	1.20	1.40	.80	.45	.30
HARD OIL FINISH.....	1.90	2.10	2.30	1.25	.70	.25
FLOOR VARNISH (Turps.).....	2.00	2.20	2.40	1.30	.75	.40
ASPHALT VARNISH.....	1.15	1.35	1.55	.90	.50	.30
ORANGE SHELLAC. In Grain Alcohol.	4.00	4.20	4.40	2.30	1.20	.65
COACH JAPAN.....	1.50	1.70	1.90	1.05	.60	.35
JAPAN GOLD SIZE.....	2.25	2.45	2.65	1.40	.75	.45
EXTRA LT. JAPAN GOLD SIZE.	3.00	3.20	3.40	1.80	.95	.55

ASBESTOS ROOFING

This Roofing is suitable for Factories, Foundries, Warehouses, Railroad Buildings, Bridges, Car and Steamboat Decks; also for lining gutters, etc., and consists of strong canvas, combined with an Asbestos-coated felt, and a manila lining, or "backing," water-proofed and compressed into a compact, flexible sheet resembling leather. It is supplied ready for use in rolls 38½ inches wide, containing 200 sq. ft., with allowance for 2-inch laps, and is packed in cases suitable for shipment to all parts of the world. It weighs with Coatings complete, including packages, only 85 lbs. to 100 sq. ft.; and, when protected with our ASBESTOS ROOF COATING and white FIRE-PROOF COATING (made expressly for and supplied with this Roofing), forms a neat, cool and reliable roof.

It is adapted for steep and flat roofs in all climates, costs only about half as much as tin, and can be readily applied by any one. It requires occasional recoating. Per "Square" (100 sq. ft.), with ROOF COATING and FIRE-PROOF COATING. **\$.45 00**
 When ordering, make allowance for *extra* joints, gutters, etc.

ASBESTOS ROOF COATING.

This is a fibrous COATING, composed of ground ASBESTOS and Silica combined with partially distilled coal-tar and an acid and water proof composition, and is prepared ready for use, to be applied with a brush. It is used for coating the ASBESTOS ROOFING, and forms the most durable and economical COATING ever produced for Felt and Canvas Roofs. One gallon will cover about 100 sq. ft.

EXTRA HEAVY COATING for repairing old roofs, will be made to order.

BBLs. & KEGS; 45, 40 & 30 gals. | 20, 15 & 10 gals. | PAILS 5, 3, 2 gals. | 1 gal.

Per Gal. U. S. Standard Measure. **40 cts.** | **45 cts.** | **50 cts.** | **55 cts.**

ASBESTOS ROOF CEMENT.

This CEMENT is prepared ready for use, and forms an elastic, adhesive compound of a proper consistency to be easily applied with a trowel. It is used for repairing leaks around chimneys, dormer windows, sky-lights, scuttles, etc., on *all kinds* of Roofs; broken joints, nail and rust holes in *Tin Roofs*, etc. *Full instructions on every package.*

Old leaky tin and iron roofs can be restored and rendered serviceable for many years with the *Brown* CEMENT and our ASBESTOS ROOF PAINTS.

The *Black* CEMENT is used with the ASBESTOS ROOF COATING for repairing old Canvas, Felt and other Roofs.

In 50 and 25 lb. pails	per lb.	<i>Brown</i> , 9 cts.;	<i>Black</i> , 6½ cts.
10 lb. cans	each,	" 1.00	" 75 "
5 lb. "	"	" .75	" 50 "

ROOFING BRUSHES AND NAILS.

Our Roofing Brushes are manufactured expressly for us, and are *the best brushes made for the purpose.* They should always be used for applying the Asbestos Roof Coating and Roof Paints.

3-KNOT	\$1.25	4-KNOT.....	\$1.50
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ROOFING NAILS. Per lb.....**12 cts.**

ROOFING AND SHEATHING FELTS.

BEST QUALITY TARRED FELT, about 15 lbs. to 100 square feet, per lb.	2½ cts.
DOUBLE THICK " " 32 in. wide, in rolls of 200 sq. ft., per sq. ft.	1½ cts.
ROSIN-SIZED SHEATHING.—In rolls 36 in. wide, about 8 lbs. to 100 sq. ft., per lb.	4 cts.

BLACK LUSTRE VARNISH.

This is a quick drying varnish made from extra distilled Coal Tar. It is adapted for coating heated iron-work, such as Smoke Stacks, Steam Pipes, etc., and for the use of manufacturers of Steam Boilers, Iron Castings etc. Steam and dry heat will not injure it.

Bbls. & Kegs; 50 to 40 gal. 20, 15 & 10 gals. 5, 3 & 2 gals. | 1 gal.

Per Gal. U. S. Standard Measure. **40 cts.** | **45 cts.** | **50 cts.** | **55 cts.**

ASBESTOS CEMENT FELTING.

This **COVERING** for **STEAM-PIPES, BOILERS, STILLs**, and other *steam-heated surfaces*, is composed of Asbestos fibre and a cementing compound, which forms a light, porous Covering, partaking of the nature of a *Felt* and a *Cement*. It is put up *dry*, to be mixed with water to the consistency of mortar, can be easily applied by any one with a trowel, and forms the most economical and effective non-conducting Cement in use. One barrel will cover a *flat* surface of about 45 sq. feet, one inch thick, and weighs about 160 pounds. Send for special pamphlet containing full description. Per bbl..... **\$4.00**

ASBESTOS HOT-BLAST CEMENT FELTING, for Covering *Fire-Heated Surfaces*, Hot-Blast Pipes, etc. It also forms an absolutely fire-proof "filling," or deadening, for floors of factories, storehouses, etc. One barrel will cover about 45 square feet one inch thick, and weighs about 200 lbs. Per bbl..... **\$6.00**

ASBESTOS AIR CHAMBER STEAM PIPE & BOILER COVERING.

This improved Covering is formed with our fire-proof **ASBESTOS LINING FELT** covered with Hair Felt, and our Asbestos Sheathing and Canvas. An additional layer of Hair Felt and Asbestos Sheathing forms our *Double AIR-CHAMBER*, the lightest and most effective non-conducting Covering known for Steam Pipes, Boilers, etc. Can be easily removed and replaced without injury. Send for special pamphlet containing full description.

Price for materials complete, including canvas :

SINGLE AIR-CHAMBER COVERING, per square foot, flat measure..... **21 cts.**
DOUBLE AIR-CHAMBER COVERING, " " " " **26 cts.**

Price per Lineal foot regular sizes of pipe	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	1 in.	1 $\frac{1}{2}$ in.	2 in.	2 $\frac{1}{2}$ in.	3 in.	3 $\frac{1}{2}$ in.	4 in.	5 in.	6 in.
ASBESTOS SINGLE AIR-CHAMBER.	12c.	13c.	15c.	18c.	21c.	24c.	27c.	30c.	33c.	40c.	46c.
DOUBLE do.	18c.	22c.	24c.	28c.	32c.	36c.	40c.	44c.	48c.	58c.	68c.

ASBESTOS LOCOMOTIVE LAGGING.

This article is made of large strands or twisted rolls of pure **ASBESTOS**, woven with a fine Asbestos warp, and lined with a pure Asbestos Sheathing, forming a strong, matted, felt-like material of great non-conducting power. It is fire and acid-proof, and forms the most effective and durable "Lagging" or Covering known, for locomotive boilers and all heated surfaces.

This is the only substantial non-conducting Covering for boilers and pipes on steamships, which is *absolutely fire-proof*. It can be cut in any desired shape without waste. About $\frac{1}{2}$ inch thick; in rolls, 36 in. wide. Per sq. ft..... **30 cts.**

ASBESTOS & HAIR WOVEN FELT.

This article is similar to our Asbestos Locomotive Lagging, but contains 25 per cent. of best hair; it is equally desirable for covering Steam Pipes, Boilers, etc.

It is very elastic and, owing to the large proportion of Asbestos, is practically fire-proof. About $\frac{1}{2}$ inch thick; in rolls 36 in. wide. Per square foot..... **16 cts.**

ASBESTOS LINING FELT.

This article consists of pure Asbestos Sheathing, to one side of which is attached a layer of "flocked" or felted Asbestos, forming a strictly fire-proof, non-conducting lining for Hair Felt, protecting it from the injurious effects of heat when applied to Steam Pipes, Boilers, etc.

In rolls 50 feet long and 12, 18, 24 and 36 in. wide. Per sq. foot..... **6 cts.**

ASBESTOS CORDED SHEATHING.

This article consists of pure Asbestos Sheathing, to the surface of which are attached loosely twisted rolls of Asbestos, forming a material about $\frac{1}{4}$ of an inch thick. It is used for the same purposes as our **ASBESTOS LINING FELT**, and is particularly valuable as a strictly fire-proof, non-conducting covering for Hot-Air and Smoke Pipes, and as a fire-proof lining under carpets, etc.

In rolls, containing 100 and 200 sq. ft, 36 in. wide. Per sq. ft..... **12 cts.**

ASBESTOS PISTON-ROD PACKING

Our improved round, elastic Asbestos Piston-Rod Packing is composed exclusively of the best quality of pure Asbestos fibre, and forms the most perfect, compact and durable Packing ever produced for locomotives, marine and other engines, valve stems, etc. It requires less oil than any other, being, to a great extent, self-lubricating, and will *wear ten times as long* as ordinary packings. It is proof against acids, mineral, or other oils, rendering it particularly valuable for pumps in chemical works, etc. All sizes from $\frac{1}{4}$ to 2 inches diameter.

Per lb.....	40 cts.
On Reels of about 10, 15, 25 and 50 lbs., per lb.....	35 cts.

Round and Square Braided Packing will be made to order.

ASBESTOS WICK PACKING

This article is composed of the purest and finest Asbestos fibre, and is manufactured in form of a soft, strong "lamp-wick," which can be wound or packed in any desired shape around small steam and other valve-stems, pumps, etc.; and, being strictly acid and fire-proof, is valuable for use in chemical works, etc.

In 1 lb. balls, per lb.....	40 cts.
In full cases of 25 or 50 lbs., per lb.....	35 cts.

NOTE.—The cotton with which other Packings are adulterated can be easily distinguished by applying a lighted match.

ASBESTOS PREPARED FIBRE, for packing journal boxes, filtering chemicals and wiping galvanized wire, etc.; per lb..... 20 cts

EXTRA FINE CARDED FIBRE, per lb..... 25 cts

ASBESTOS, all grades, prepared for special purposes.

ASBESTOS MILL-BOARD & SHEET PACKING

This article is composed wholly of *pure Asbestos*, and weighs about twenty per cent. less than adulterated Mill-Board. It is strictly fire and acid proof, and forms an economical and durable **FLAT** or **SHEET PACKING** for flange-joints, steam-pumps, cylinder-heads, man-hole plates of steam boilers, oil-stills, etc., and can be removed and replaced without injury. It is also used for covering locomotive boilers, and for fire screens, partitions, linings under stoves, grates, etc.

In sheets of 40x40 inches, from 1-32 to 1-2 inch thick, weighing from $\frac{1}{4}$ to 28 lbs; per lb..... 15 cts.

ASBESTOS GASKETS

All sizes not exceeding 40 inches outside diameter, from 1-32 to 1-4 of an inch thick, cut to order from our *Asbestos Mill-Board*—weight less than one-half as much as India-Rubber Gaskets. Regular shapes round or square; per lb. 50 cts. Rings and Washers, 3 inches or less in diameter; per lb..... \$1.00

Send pattern or drawing with orders for irregular shapes.

ASBESTOS & RUBBER CLOTH

This material is composed of Asbestos Cloth covered on both sides with our improved composition of Asbestos and India-Rubber, and forms the most durable Flat or Sheet Packing made. It can be cut into any desired form, and being very elastic, will adapt itself to all uneven surfaces, forming a perfect joint, steam, acid, and air tight. It weighs about 6 oz. per sq. ft., and is made in sheets and rolls 34 and 40 in. wide. It will be made two or more ply to order; per lb..... \$1.00

ASBESTOS & RUBBER TAPE

This is a braided Asbestos band, or Tape, covered on both sides with our improved Asbestos and India-Rubber composition, and forms the most durable Gaskets, Washers and Rings for Steam Joints, Cylinder Heads, Man-hole and Hand-hole plates, etc. It can be easily bent into the required shape, and removed and replaced without injury. We make all widths from $\frac{5}{16}$ to $2\frac{1}{4}$ inches.

In coils of about 15, 25 and 50 lbs.; per lb..... \$1.00

RINGS, with cemented lap joints, will be made to order from our Asbestos and India-Rubber Tape, on receipt of memorandum of sizes, widths and thicknesses required; per lb..... \$1.25

*Our Asbestos & Rubber goods can be removed and applied many times without injury, as the Asbestos is proof against the deteriorating action of steam, etc., and will not rot from the action of rubber.

ASBESTOS CLOTH.

We manufacture strictly pure Asbestos Cloth in three standard thicknesses, Fine, Medium and Heavy. It is strictly fire-proof, unaffected by acids or mineral oils, and is extensively used for filtering acids, etc. It is particularly valuable as a filter cloth for domestic purposes, sugar works, etc., and is also made into aprons, mittens and screens for use in smelting works, iron and steel furnaces, as a protection against heat and red-hot metal. We keep in stock 36-inch only; other widths are made to order.

	36 in. wide.	
FINE.	weight about $3\frac{1}{2}$ oz. to 1 sq. ft.	Per yd \$2.25
MEDIUM,	" " $4\frac{1}{2}$ " " "	" 3.00
HEAVY,	" " $6\frac{1}{2}$ " " "	" 3.50

FIRE-PROOF THEATRE CURTAINS, SHIELDS, COVERS, MITTENS, etc., made to order.

We also manufacture Asbestos Cloth to order for special requirements.

ASBESTOS PRINT ROLLER CLOTH.

This is a very thick fabric, woven from our Asbestos Cord. It is acid-proof and is used for covering rollers in print works, etc. It is made to order of any desired width. Per square yard \$3.50 Print Roller Cord; per lb. 75 cts.

ASBESTOS CORD.

This is a strong, hard-finished, six-strand Cord, about one-eighth of an inch diameter. It is valuable for suspending Metals, Retorts, Crucibles, etc., in contact with fire, and for use in theatres, chemical and acid works, etc. It is fire and acid-proof. In 1-lb. balls; per lb. 65 cts.

ASBESTOS TWINE.

This is a strong, hard-finished three-strand Twine, about one-fifteenth of an inch diameter. It is fire and acid-proof, and is used for purposes similar to those described for our Asbestos Cord, and for insulating Electric and other wires, etc. In 1-lb. balls; per lb. 85 cts.

ASBESTOS SEWING TWINE.

This is a very fine, strong, hard-finished cord, used for sewing our Asbestos Cloth and for binding materials exposed to the action of fire or acids; also for philosophical and chemical apparatus, etc. In $\frac{1}{2}$ -lb. balls; per lb. \$1.25

ASBESTOS SHEATHING.

This is a strong, white Sheathing, composed of pure Asbestos, and is strictly fire-proof. It is used for lining wood partitions and ceilings, fire screens, and other surfaces in danger of ignition by fire. In rolls of from 60 to 100 lbs., 42 in. wide, weighing about 6 lbs. to 100 square feet; } per lb. 15 cts.

DOUBLE-THICK ASBESTOS SHEATHING, about 10 lbs. to 100 sq. ft. }

ASBESTOS BUILDING FELT.

This article is composed entirely of Asbestos, and, on account of its non-conducting and fire-proof qualities is largely used for lining weather-boards, shingle roofs, floors, wood partitions, etc. It will not disintegrate by age, is odorless and vermin proof

In rolls of about 70 lbs. 36 in. wide, weighing about 10 lbs. to 100 square ft. } per lb. 12 cts.

EXTRA HEAVY BUILDING FELT, about 16 lbs. to 100 sq. ft. }

Also, *Fire and Water Proof* BUILDING FELT about 7 lb. per 100 square feet; per lb. 16 cts.

ASBESTOS PAPER.

This is a fine, strong, fire-proof paper composed of pure Asbestos. It is supplied in rolls 39 inches wide, weighing about 4 lbs. to 100 sq. ft.; also in sheets 36x47 inches, about 5 sheets to 1 lb. Per lb. \$1.50

ASBESTOS FIRE-ESCAPE ROPE.

ASBESTOS YARN.—TWO AND THREE PLY.

ASBESTOS PLASTIC STOVE LINING.

This article is composed of Asbestos and other fire-proof materials, prepared ready for use in the form of a *plastic cement* easily applied with a trowel, forming a durable and economical Lining for cooking and heating stoves and ranges, hot-air and boiler furnaces, furnace doors, etc. It is also useful for repairing stove and flue joints, broken fire-brick, iron linings, etc., exposed to fire heat, and is invaluable as a *Fire Mortar* for laying Fire-Brick in boiler furnaces, as it will not burn out and clinkers will not attach to it.

It is also especially valuable for manufacturers of iron, glass, chemicals, etc.

Casks, 600 to 400 lbs., per lb	4½ cts.
Kegs, 300 to 100 lbs., " "	5 "
Pails, 50 and 25 lbs., " "	6 "
10 lb. Cans, each	75 "
5 " " " (sufficient for lining an ordinary cooking stove)	50 "

ASBESTOS FIRE-PROOF PAINTS

These Paints are composed of Asbestos and other fire-proof ingredients, prepared ready for use in white and light tints, *exclusively* for *INSIDE rough wood-work of Factories, Railroad Bridges, Boiler-Rooms, Cotton-Gin Houses, etc.*, for which purposes they are as durable as the ordinary oil paints, and afford a valuable protection against sparks, cinders or light flames. One gallon will cover about 150 square feet, 2 coats.

BBLs & KEGS;	45, 40 & 30 gals.	20, 15 & 10 gals.	Pails; 5, 3 & 2 gals.	1 gal.
Per Gal. U. S.	65 cts.	70 cts.	75 cts.	80 cts.

Standard Measure.

ASBESTOS CONCRETE COATING

This Coating is strictly fire-proof, is made of proper consistency to be applied with a trowel, and has proven an effective protection for beams, posts, partitions, roof boards and other inside rough wood-work exposed to flames or intense heat. 100 lbs. will cover about 200 sq. ft. $\frac{1}{16}$ of an inch thick.

Casks of from 600 to 400 lbs.; per lb.	5 cts.
Kegs of from 300 to 100 lbs., " "	5½ "

ASBESTOS RETORT CEMENT.

This Cement is used for repairing broken *clay and iron Gas Retorts*, Pipes, etc. and for cementing fittings, connecting pipes, flange-joints, etc. It is composed of ASBESTOS and other fire and acid-proof materials, is prepared ready for use, can be easily applied with a trowel, and hardens rapidly. When subjected to intense heat, it vitrifies without shrinking, and is not injured by nitric or sulphuric acids, petroleum oils, etc., and effectually prevents the escape of vapors.

Casks, 600 to 400 lbs., per lb	6 cts.
Kegs, 300 to 100 " " "	6½ "
Pails, 50 and 25 lb., " "	7½ "
10-lb Cans, each	\$1.00

ASBESTOS GASKET CEMENT.

This Cement is acid and water-proof, and forms a perfectly air-tight joint between layers of our Asbestos Mill-Board where very thick Gaskets or linings are required. It may also be applied directly to steam or other heated joints where Gaskets cannot be conveniently used. To be applied with a trowel or stiff brush. In 1, 2 and 5 lb. cans; per lb. 20 cts.


HAIR FELT.

This Felt is made from the best selected hair, and is the cleanest, lightest and most economical Hair Felt in use for covering boilers, steam, and water-pipes, sheathing ice-houses, deadening floors, etc. In bales of 300 square feet. Best quality, per square foot. $\frac{1}{2}$ inch, 5 cts; $\frac{3}{4}$ inch, 6 cts.; 1 inch, 7 cts.



LIBERAL DISCOUNTS TO LARGE CONSUMERS.

We can guarantee a saving of from 15 to 30 per cent. on your customary outlays for Paints, Roofing, Steam Pipe and Boiler Coverings, etc.


 If you are in want of any goods in our line, send memorandum of what you require and we will send samples and make special prices.

TO GENERAL MERCHANTS.


The articles herein described, find a ready sale *at all seasons of the year* wherever articles for household, structural or mechanical purposes are required.

We give exclusive sale in towns where we have not already arranged, and will supply samples, terms, etc., on application.

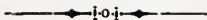
TERMS CASH.

 When ordering, write the name of the article plainly and state the price to avoid mistakes, *as we will receive no goods returned without instructions from us.*

Please give full *shipping* directions. No goods will be sent C. O. D.

 We have no "agents" and will make no consignments.

Illustrated catalogues containing a full description of our manufactures, with instructions for use, samples, &c., will be sent free by mail.



**The Centennial Prize Medal and Diploma of Merit were Awarded
for our Asbestos Materials with the follow-
ing Report of Judges**

"Roofing excellent, durable, economical, especially resisting outside heat and fire."

"Asbestos Covering on wood, put on in the liquid state, and solidified by the action of the air."

"Greatest success in fire-proof outer and inner coatings, and Covering Felt."

First Premium awarded by

**AMERICAN INSTITUTE, '58 to '70, '71, '72, '73, '74, '75, '77, '78, '79, '80, and '81.
NEW HAMPSHIRE STATE FAIR, 1871.**

LOUISIANA STATE FAIR, 1870.

PENNSYLVANIA STATE FAIR, 1872.

TEXAS STATE FAIR, 1871.

RHODE ISLAND STATE FAIR, 1872.

N. E. AGRICULTURAL SOCIETY, 1874.

CHILIAN EXPOSITION, 1875.

N. C. AGRICULTURAL SOCIETY, 1877.

ATLANTA COTTON EXPOSITION, 1881.


Inter-Colonial Exposition, Melbourne, Australia, 1880.

Gold Medals (2), Matanzas Exposition, 1881.

Silver Medal, Amsterdam Exposition, 1883.

Crystal Palace Medal, London, 1884.

Medal of the first-class, New Orleans, 1885.

 The Highest Premiums have in every instance been awarded to our **ASBESTOS MATERIALS** at all Expositions and Fairs, wherever exhibited.

CAUTION.

As is not unusual with an article of merit, the enviable reputation of H. W. JOHNS' ASBESTOS MATERIALS has tempted imitators to use the name "Asbestos," which we have made so widely known in connection with our Paints and other Materials; and we find it necessary to caution purchasers against misrepresentations, and advise them to see that the name "H. W. Johns," with our trade mark, is on every package.

ASBESTOS

As a protection to our customers we publish below a fac-simile of our

—TRADE MARK LABEL,—

which will be found on every package of H. W. Johns' Asbestos Liquid Paints.



H.W. Johns Manufacturing Co.

SOLE MANUFACTURERS,

87 MAIDEN LANE, NEW YORK.

175 RANDOLPH ST., CHICAGO.

170 & 172 NORTH 4th ST., PHILADELPHIA.

BILLITER HOUSE, BILLITER STREET, LONDON.

ESTABLISHED 1858.